

Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
246392US20CONTSERIAL NO. 10/733,280
New U.S. Application

LIST OF REFERENCES CITED BY APPLICANT

APPLICANT
Tom TSANG, et al.FILING DATE
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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
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| SDP | ✓ AA | 5,614,381 | 3/97 | Bromley, et al. | — | — | |
| | ✓ AB | 5,646,010 | 7/97 | Bromley, et al. | — | — | |
| | ✓ AC | 3,991,770 | 11/16/76 | LeVeen | — | — | |
| | ✓ AD | 5,889,169 | 3/30/99 | Beach et al. | — | — | |
| | ✓ AE | 5,877,010 | 3/2/99 | Loeb et al. | — | — | |
| | ✓ AF | 5,817,492 | 10/6/98 | Saito et al. | — | — | |
| | ✓ AG | 5,583,038 | 12/10/96 | Stover | — | — | |
| | ✓ AH | 5,834,306 | 12/23/94 | Webster et al. | — | — | |
| | ✓ AI | 5,814,482 | 9/29/98 | Dubensky, Jr. et al. | — | — | |
| | ✓ AJ | 5,770,414 | 6/23/98 | Gage et al. | — | — | |
| | AK | | | | | | |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | COUNTRY | TRANSLATION YES NO |
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| SDP | ✓ AO | 0 118 393 | 9/84 | Europe | |
| | ✓ AP | 0 299 127 | 1/89 | Europe | |
| | ✓ AQ | 89/00603 | 1/89 | WIPO | |
| | ✓ AR | 0 455 424 | 11/91 | Europe | |
| | ✓ AS | 95/24491 | 9/95 | WIPO | |
| | ✓ AT | 89/10412 | 11/2/89 | WIPO | Abstract only |
| | ✓ AU | 95/09913 | 4/13/95 | WIPO | |
| | ✓ AV | 0,342,926 | 11/12/89 | Europe | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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| SDP | ✓ AW | Blackburn et al., "Adenoviral-mediated transfer of a heat-inducible double suicide gene into prostate carcinoma cells, "Cancer Research, 58:1358-1362 (1998). | |
| | ✓ AX | Clackson, T., "Controlling mammalian gene expression with small molecules, "Current Opinion in Chemical Biology, 1:210-218 (1997). | |
| | ✓ AY | Dachs et al., "Targeting gene expression to hypoxic tumor cells, "Nature Medicine, 3:515-520 (1997). | |
| | ✓ AZ | Dreano et al., "Antibody formation against heat-induced gene products expressed in animals, "Biotechnology, p. 1340-1343 (1988) | <input type="checkbox"/> Additional References sheet(s) attached |
| Examiner | Sandra D. Pich | | Date Considered 12/12/05 |

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| SDP | ✓ BW | Emmerman et al, "The specificity of the human immunodeficiency virus type 2 transactivator is different from that of human immunodeficiency virus type 1, "The EMBO Journal, 6:3755-3760 (1987). |
| I | ✓ BX | Finch et al., "Overexpression of three ubiquitin genes in mouse epidermal tumors is associated with enhanced cellular proliferation and stress, "Cell Growth & Differentiation, 3:269-278 (1992) |
| I | ✓ BY | Friedmann, T., "Overcoming the obstacles: treating disease by providing needed genes remains a compelling idea, but clinical and basic researchers still have much to do before gene therapy can live up to its promise, "Scientific American, 276-96-101 (1997) |
| I | ✓ BZ | Gazit et al., "Use of the stress-inducible grp78/BiP promoter in targeting high level gene expression in fibrosarcoma <i>in vivo</i> , "Cancer Research, 55:1660-1663 (1995) |

☐ Additional References sheet(s) attached

Examiner

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| SDP | ✓ | CW | Desiderio et al., "Effects of polyamine imbalance on the induction of stress genes in hepatocarcinoma cells exposed to heat shock", Hepatology, 24:150-156 (1996) | <input type="checkbox"/> Additional References sheet(s) attached |
| 1 | ✓ | CX | Mitchell et al., "Involvement of the polyamine transport system in cellular uptake of the radioprotectants WR-1065 and WR-33278", Carcinogenesis, 12:: 3063-3068 (1995) | |
| 1 | ✓ | CY | Suzuki et al., "Effect of low-dose preirradiation on induction of the HSP70B-LacZ fusion gene in human cells treated with heat shock", Radiation Research, 2: 195-201 (1998). | |
| 1 | ✓ | CZ | Vasanwala et al., "A novel gene expression vector induced by heat shock, chemotherapy and radiation", Cancer Gene Therapy, 4: p. 28, (1997) | |

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Surt D. Prichy

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| SDP | ✓ DW | Vasanwala et al., "High Level IL-2 expression vectors using HIV LTR in human colon carcinoma cell line", Proceedings of the American Association for Cancer Research Annual Meeting, 38: p. 33, (April 16, 1997) |
| ↓ | ✓ DX | Gomer et al., "Photodynamic therapy-mediated oxidative stress can induce expression of heat shock proteins, "Cancer Research, 56:2355-2360 (1996) |
| ↓ | ✓ DY | Harisiadis et al., "Carcinoma of the prostate: treatment with external radiotherapy, "Cancer, 41:2131-2142 (1978). |
| ↓ | ✓ DZ | Iida et al., "Inducible gene expression by retrovirus-mediated transfer of a modified tetracycline-regulated system, "Journal of Virology, 70:6054-6059 (1996) |

☐ Additional References sheet(s) attachedExaminer *Scott D. Priebe*

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| J | ✓ EX | Leung et al., "The human heat-shock protein family, "Biochem. J., 267:125-132 (1990) |
| J | ✓ EY | Lindholm et al., "Microwave-induced hyperthermia and radiotherapy in human superficial tumors: clinical results with a comparative study of combined treatment versus radiotherapy alone, "Recent Results in Cancer Research, 107:152-156 (1988). |
| V | ✓ EZ | Little et al., "The glucose-regulated proteins (GRP78 and GRP94): functions, gene regulation, and applications, "Critical Reviews in Eukaryotic Gene Expression, 4(1):1-18 (1994) |

☐ Additional References sheet(s) attached

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Scott D. Pinski

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| ✓ | FW | Madlo et al., "On the feasibility of MRI-guided focused ultrasound for local induction of gene expression," <i>Journal of Magnetic Resonance Imaging</i> , 8:101-104 (1998) |
| ✓ | FX | Oleson et al., "Eugene Robertson Special Lecture. Hyperthermia from the clinic to the laboratory: a hypothesis," <i>International Journal of Hyperthermia</i> , 11:315-322 (1995) |
| ✓ | FY | Pennington et al., "Quantitative assessment of heat inducible gene expression," <i>Sixth International Conference on Gene Therapy of Cancer</i> , November 20-22, 1997, <i>Cancer Gene Ther.</i> 4(6): 525. |
| ✓ | FZ | Roigas et al., "Effects of combined treatment of chemotherapeutics and hyperthermia on survival and the regulation of heat shock proteins in Dunning R3327 prostate carcinoma cells," <i>The Prostate</i> , 34:195-202 (1998) |

☐ Additional References sheet(s) attached

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| I | ✓ GX | Sarge, K., "Regulation of HSF1 activation and Hsp expression in mouse tissues under physiological stress conditions," Annals of the New York Academy of Sciences, 851:112-116 (1998) | |
| I | ✓ GY | Schweinfest et al., "A heat-shock-inducible eukaryotic expression vector," Gene, 71:207-210 (1988) | |
| U | ✓ GZ | Scott et al., "Local hyperthermia in combination with definitive radiotherapy: increased tumor clearance, reduced recurrence rate in extended follow-up," Int. J. Radiation Oncology Biol. Phys., 10:2119-2123 (1984) | <input type="checkbox"/> Additional References sheet(s) attached |

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| I | ✓ HX | Tsang et al., "Mammalian expression vector with two multiple cloning sites for expression of two foreign genes, "Bio Techniques, 22:68 (1997) | |
| I | ✓ HY | Tsang et al., "New vectors for augmented levels of heat inducible gene expression, "Sixth International Conference on Gene Therapy of Cancer, November 20-22 (1997) <i>Cancer Gene Ther.</i> 4(6): S25. | |
| I | ✓ HZ | Tsang et al., Simple method for adapting DNA fragments and PCR products to all of the commonly used restriction sites, "Bio Techniques, 20:51-52 (1996) | <input type="checkbox"/> Additional References sheet(s) attached |

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| SDP | ✓ IW | Varley et al., "A two-component expression system that responds to inflammatory stimuli <i>in vivo</i> ", "Nature Biotechnology", 15:1002-1006 (1997). | |
| | ✓ IX | Walther et al., "Cell type specific and inducible promoters for vectors in gene therapy as an approach for cell targeting", "J. Mol. Med.", 74:379-392 (1996). | |
| | ✓ IY | Wu, C. "Heat shock transcription factors: structure and regulation", "Annu. Rev Cell Dev. Biol.", 11:441-69 (1995) | |
| | ✓ IZ | Tewari et al., "Biochem. Biophys. Acta, 1209:293-295 | <input type="checkbox"/> Additional References sheet(s) attached |

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☐ Additional References sheet(s) attached

Examiner

Scott D. Priebe

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Form PTO 1449
(Modified)U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICEATTY DOCKET NO.
246392US20CONTSERIAL NO. 10/733,280
New U.S. Application

LIST OF REFERENCES CITED BY APPLICANT

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U.S. PATENT DOCUMENTS

| EXAMINER INITIAL | | DOCUMENT NUMBER | DATE | NAME | CLASS | SUB CLASS | FILING DATE IF APPROPRIATE |
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| | JA | | | | | | |
| | JB | | | | | | |
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FOREIGN PATENT DOCUMENTS

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| | | | | | YES | NO |
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| | JV | | | | | |

OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|-----|------|---|
| SDP | ✓ JW | Gura, Science, 278:1041-1042, Nov. 1997 |
| ↓ | ✓ JX | Gomez-Navarro et al, European J. Cancer, 35:867-885, 429 Jun 1999. |
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☐ Additional References sheet(s) attached

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| | KA | | | | | | |
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

| | | |
|-----|------|---|
| SDP | ✓ KW | Verma et al., Nature, 389:239-242, 1997 |
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OTHER REFERENCES (Including Author, Title, Date, Pertinent Pages, etc.)

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| SDP | ✓ LW | Orkin et al., in Report and Recommendations of the Panel to Assess the NIH Investment in Research on Gene Therapy, December 7, 1995 | | | | |
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